

Date: Thu, 8 Sep 94 04:30:23 PDT  
From: Ham-Equip Mailing List and Newsgroup <ham-equip@ucsd.edu>  
Errors-To: Ham-Equip-Errors@UCSD.Edu  
Reply-To: Ham-Equip@UCSD.Edu  
Precedence: Bulk  
Subject: Ham-Equip Digest V94 #319  
To: Ham-Equip

Ham-Equip Digest                      Thu, 8 Sep 94                      Volume 94 : Issue 319

Today's Topics:

AZDEN PCS 300 OPINIONS  
DuckTail antenna counterpoise  
Ham-Equip Digest V94 #318  
How to ground a second story shack? (2 msgs)  
ICOM W21-AT For Sale  
Range of 2 meter HT (2 msgs)  
TM-733A.DOC  
Where R cheap TM742s??

Send Replies or notes for publication to: <Ham-Equip@UCSD.Edu>  
Send subscription requests to: <Ham-Equip-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Equip Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-equip".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

-----  
Date: 7 Sep 1994 14:02:09 GMT  
From: ihnp4.ucsd.edu!agate!howland.reston.ans.net!gatech!udel!nntp.sunbelt.net!  
DDEPEW%CHM.TEC.SC.US@network.ucsd.edu  
Subject: AZDEN PCS 300 OPINIONS  
To: ham-equip@ucsd.edu

Need some info/opinions/advice about the Azden pcs 300 2m ht. I have  
an opportunity to buy one at a reasonable price--and wanted to see  
what folks on the net know about it. Please e-mail ur replies. Thanks  
in advance, and 73.

Dorr Depew  
N4QIX  
  
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Date: 7 Sep 1994 20:32:45 -0400  
From: america.com!not-for-mail@uunet.uu.net  
Subject: DuckTail antenna counterpoise  
To: ham-equip@ucsd.edu

I recently tried my own version of the DuckTail HT antenna enhancer advertized in CQ and 73. I connected a 19.25" piece of flexible wire to a large round crimp stule connector. After hooking it up, I noticed very little difference in receive or transmit.

The sales article boast that the DuckTail is the missing part of the HT antenna system (2M). The article reported significant gains...abt 2-4 db when installed.

Thinking that I may have missed the elusive secret in the miracle design of the DuckTail...1/4 wave counterpoise....I purchased the advertised unit. Upon trying the purchased unit out, I noticed no significant difference in the transmitted or received signal when compared to my duck (dualband type for Alinco DJ580).

My only thought is that the metal construction of the Alinco case must somehow be a significant counterpoise....make the one used in the the article had a composite or plastic case. Anyway, my homebrew version was just as "ineffective" as the commercial unit.

Has anyone here had any differentr experiences with the DuckTail system?

[illegible]

Date: 7 Sep 94 12:01:37 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: Ham-Equip Digest V94 #318  
To: ham-equip@ucsd.edu

unsubscribe

Date: 7 Sep 1994 15:05:42 -0400  
From: news1.digex.net!digex.net!not-for-mail@uunet.uu.net

Subject: How to ground a second story shack?  
To: ham-equip@ucsd.edu

In article <34khrp\$nsr@vixen.cso.uiuc.edu>, clay torsten wrote:

>>

>>Does anyone have any suggestions on providing the best ground possible  
>>for HF when the shack is located on teh second floor?

>>

I use a counter-poise cut for the lowest frequency connected to the shield of the cable at the feedpoint of the antenna. Also wind some of the coax on Radio Shack type snap together RF chokes. This will help reduce feedline radiation tremendously.

Andy N3LCW

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Date: 7 Sep 1994 14:14:17 GMT  
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!vixen.cso.uiuc.edu!  
uxa.cso.uiuc.edu!rtclay@network.ucsd.edu  
Subject: How to ground a second story shack?  
To: ham-equip@ucsd.edu

>>

>>Does anyone have any suggestions on providing the best ground possible  
>>for HF when the shack is located on teh second floor?

>>

You can do just fine without a ground connection in this case. My station is on the 3rd floor with no ground connection, and I have no problems with 'RF in the shack' (running up to 700w on 160-10m). Do make sure that all of your equipment is grounded together, and don't use end-fed or indoor antennas. If you do have RF problems, a few 1/4 wave radials can help.

I do use an external ground to ground the antennas when not in use for lightning protection, but this is never connected to the equipment.

--

R. Torsten Clay, N4OGW/9    n4ogw@uiuc.edu

-----  
Date: Mon, 5 Sep 94 21:03:00 -0500  
From: agate!iat.holonet.net!wwwswinc!cono.a.delrosso@ames.arpa  
Subject: ICOM W21-AT For Sale  
To: ham-equip@ucsd.edu

(1:2619/211)  
(CRASH)

-> For sale, like new ICOM W21AT dual band handie talkie, HM75 remote control  
-> speaker mike, CP13 mobile adapter with filter, vinyl case and all manuals  
-> and original boxes.  
-> This radio is like brand new, I just no longer need to have two handie  
-> talkies. Will ship COD. Price \$375.00 firm. If interested contact  
-> John KF9GW  
-> (219) 922-1065

John, I have been tring to call but Im getting a modem! is this the right  
number?

Please reply!

CONO.DELROSSO@SILICON.GARDEN.COM

--- FidoPCB v1.5 beta-'j'

\* Origin: The Roy Hobbs BBS Little Ferry NJ 1:107/592 28.8 USR VFC

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Date: 7 Sep 1994 07:35:11 GMT

From: ihnp4.ucsd.edu!agate!howland.reston.ans.net!vixen.cso.uiuc.edu!  
newsfeed.ksu.ksu.edu!moe.ksu.ksu.edu!crcnis1.unl.edu!unlinfo.unl.edu!  
mcduffie@network.ucsd.edu

Subject: Range of 2 meter HT

To: ham-equip@ucsd.edu

miker@msai.com (Mike Reamy) writes:

>I am just getting into Ham and have what is probably a naive question :)

PLEASE! It's ham radio, not ham. Ham radio is a "hobby", ham is a  
food.

>I would like to be able to communicate station to station with somebody  
>that lives about 50 miles away. Will two 2 meter HTs be able to do this?  
>I will have a Kenwood T22AT running at 5 watts with the stock rubber duck  
>and the other party will probably have a Radio Shack 202 running at 4 watts  
>with stock rubber duck as well. Any problem with communicating clearly  
>at this range? If not, what would be the best way to extend the  
>range? I live in an apartment so any antenna will have to be small  
>enough to set up on my patio or possibly in my vaulted ceiling.

Two meters is a "line of sight" band. Normally, you must be able to  
"see" the station you are talking to. With low power (as in from a  
handheld), you also need to be close, or have very little attenuation  
between you. The only way you will have reliable communications with

your friend 50 miles away, is to use a repeater that is high enough that IT can "see" both of you. If you live in a mountainous area, a mountaintop repeater would probably do the job, provided you used an outdoor antenna, or at least a gain antenna. If you are in the flatlands, you MAY not be able to do it, even WITH the repeater. To use your terminology, "station to station with somebody that lives about 50 miles away", implies direct communications, without a repeater. Under normal circumstances, this would be impossible, and at best, unreliable. What you are asking isn't even reliable on HF, due to variable band conditions.

Maybe someone else will come up with a more creative answer.

Good luck and 73,  
Gary

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Date: Tue, 6 Sep 1994 23:52:17 GMT  
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!agate!iat.holonet.net!vectorbd!rkm@network.ucsd.edu  
Subject: Range of 2 meter HT  
To: ham-equip@ucsd.edu

Mike Reamy (miker@msai.com) wrote:

: I am just getting into Ham and have what is probably a naive question :)  
: I would like to be able to communicate station to station with somebody  
: that lives about 50 miles away. Will two 2 meter HTs be able to do this?

Not likely, unless you both live on mountain tops. :-)

: I will have a Kenwood T22AT running at 5 watts with the stock rubber duck  
: and the other party will probably have a Radio Shack 202 running at 4 watts  
: with stock rubber duck as well. Any problem with communicating clearly  
: at this range? If not, what would be the best way to extend the  
: range? I live in an apartment so any antenna will have to be small  
: enough to set up on my patio or possibly in my vaulted ceiling.

If you can find a repeater located between the two of you, you might be able to achieve your goal if you both have a fairly clear line of sight to it. However, you'll almost definately want to do away with the rubber duck ( Or, as they are commonly known, rubber resistors. :-)  
You can purchase cheap 5/8 wave 2M mag-mount antennas that can be mounted on the nearest convenient air conditioner, metal table top, etc, that will perform infinitely better than the duck.

The only way to find out is to try a variety of solutions and pick the one that works best. That's what makes amateur radio so

much fun! :-)

- Rich

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Date: Wed, 7 Sep 1994 02:16:12 GMT  
From: microsoft!wingnut!steveflu@uunet.uu.net  
Subject: TM-733A.DOC  
To: ham-equip@ucsd.edu

In article <26AUG199417405897@elroy.uh.edu> st3qi@elroy.uh.edu wrote:  
>

> If enough people call about the PL problem,  
> maybe they will come out with a real fix and offer it under warranty  
> to all the radios out there (since they're all pretty new). My guess  
> is that it will involve a free TSU-8 tone decode module, but don't  
> hold your breath. :-)

This implies (as do other things I've read) that the problem is fixed by installing the TSU-8 tone decode module which presumably takes over the tone encoding function as well. Can anyone confirm this?

The TM-733a is the only radio I've found so far that has all of the features I want. If it didn't have this fatal flaw, or if the flaw was remedied by an option I'd probably buy anyway....

Steve KC7FCM

-----  
Date: 7 Sep 94 15:53:10 -0500  
From: ihnp4.ucsd.edu!usc!math.ohio-state.edu!hobbes.physics.uiowa.edu!  
cobra.uni.edu!conklic9391@network.ucsd.edu  
Subject: Where R cheap TM742s??  
To: ham-equip@ucsd.edu

Thank in advance to any that help!

Our local Civil Defense office is finally ready to cough up some \$\$ to replace our VHF transceiver that was stolen from the office. We want a Kenwood TM-742, since several of us own them, they are rather easy to do the basics with, and the empty slot for future needs/wants.

The problem... every new price sheet seems to show the &\*&#%\$ things getting closer to LIST price- rather than \*\*our\*\* price- So who has a good deal on new ones? Anyone else been shopping lately? We're not too proud to beg! And again this is for a club-station that is ARES/CD/RACES affiliated- so it's not

going to a bad cause.

Tnx es 73  
de\_Chris\_

=====  
Christopher Conklin  
Public Policy Masters Student: University of Northern Iowa  
Net:Conklic9391@uni.edu

Amateur Radio voice: 444.650Mhz n0pav/rpt  
Amateur Radio packet: n0pav-1@wa0rgv.ia.usa.na

=====  
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Date: 7 Sep 1994 14:12:10 -0500  
From: ihnp4.ucsd.edu!usc!cs.utexas.edu!convex!convex!not-for-mail@network.ucsd.edu  
To: ham-equip@ucsd.edu

References <34ginv\$m4v@orion.convex.com>, <34ieh7\$8bq@oak.oakland.edu>,  
<CvqFsy.KGo@vectorbd.com>  
Subject : Re: QRP Recommendations

rkm@vectorbd.com writes:

- prvalko (prvalko@vela.acs.oakland.edu) wrote:
- : John C. Oppenheimer (jco@convex.com) wrote:
- 
- : : Tell more about the Index Labs rig. A quick look in QST came up
- : : negative. Thanks
- 
- : John,
- 
- : All I know is that it is a VERY nice unit. I've never seen one although
- : several friends got to play with one at the QRP party in Dayton this
- : year.
- 
- : It's General Coverage, full ham band TX, I think 160M through 10M.
- : CW and SSB, some kind of SCF unit for filtering, digital tuning, etc.
- 
- : Quite state of the art. Handmade too, hence the L O N G wait for one.
- 
- I don't know if this has been fixed yet, but I've seen a couple
- of different reviews in which the owners said the Index Lab rig had
- a severe birdie problem - they appeared approximately every 20KHZ, as
- a matter of fact. If you're considering getting one, you should also
- check and see whether they have the keyer module working ( the first

- units shipped didn't have the keyer ).

What is the address or phone number for Index Labs?

John

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Date: Tue, 6 Sep 1994 23:55:46 GMT  
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!agate!iat.holonet.net!vectorbd!  
rkm@network.ucsd.edu  
To: ham-equip@ucsd.edu

References <34ghgc\$k3t@oak.oakland.edu>, <34ginv\$m4v@orion.convex.com>,  
<34ieh7\$8bq@oak.oakland.edu>≥ü  
Subject : Re: QRP Recommendations

prvalko (prvalko@vela.acs.oakland.edu) wrote:  
: John C. Oppenheimer (jco@convex.com) wrote:

: : Tell more about the Index Labs rig. A quick look in QST came up  
: : negative. Thanks

: John,

: All I know is that it is a VERY nice unit. I've never seen one although  
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- Rich

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End of Ham-Equip Digest V94 #319

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